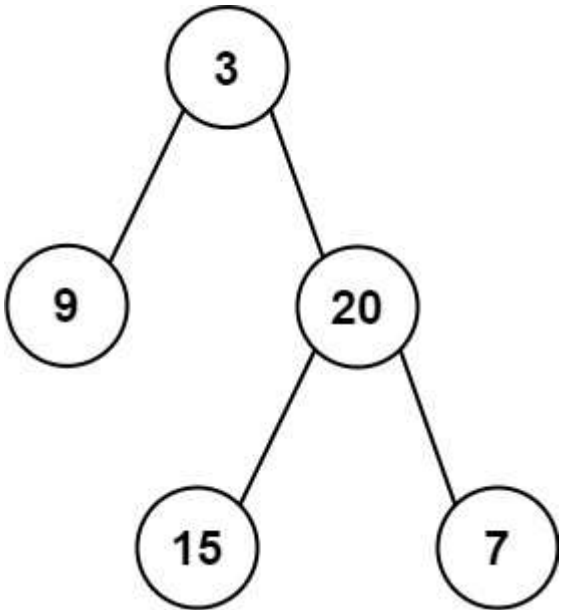
Average of Levels in Binary Tree (View)

Given the `root` of a binary tree, return *the average value of the nodes on each level in the form of an array*. Answers within `10-5` of the actual answer will be accepted.

Example 1:



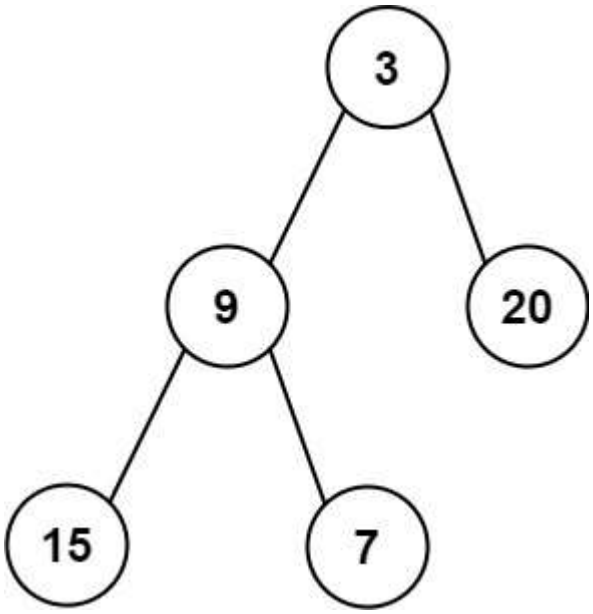

```
Input: root = [3,9,20,null,null,15,7]

Output: [3.00000,14.50000,11.00000]

Explanation: The average value of nodes on level 0 is 3, on level 1 is 14.5, and
on level 2 is 11.

Hence return [3, 14.5, 11].
```

Example 2:




```
Input: root = [3,9,20,15,7]

Output: [3.00000,14.50000,11.00000]
```

Constraints:

- The number of nodes in the tree is in the range $[1, 10^4]$.
- $-2^{31} <= Node.val <= 2^{31} - 1$